EXPLORATION PREVIEW
NWT - 1989

by Geology Division Staff
INAC, NAP
Box 1500,
Yellowknife, NWT

edited by C.D. Gault

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Indian and Northern Affairs Canada
Affaires indiennes et du Nord Canada

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by geological staff, NAP Geology Division
Yellowknife, C.D. Gault, editor.

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INTRODUCTION

Each year the District Geologists of the NWT Geology Division of INAC in Yellowknife canvas NWT mineral property owners to compile a brief description of expected mineral exploration. The information obtained is compiled in this brief preview and distributed widely to interested people and groups in NWT and elsewhere in Canada by mail. As well, copies are distributed at the Prospectors and Developers Annual meeting in Toronto.

This preview also lists geological programs to be conducted by the Canada-NWT Mineral Development Agreement and the NWT Geology Division of INAC.

Copies can be obtained by contacting the Geology Division, INAC, Box 1500, Yellowknife, NWT, XIA 2R3; Tel. (403) 920-8215.

Estimated 1989 Exploration Expenditures

Based mainly on canvassing companies and on previous programs, estimated 1989 exploration expenditures are:

	1989	1988
N. SLAVE PROVINCE	$13,000,000	
S. SLAVE PROVINCE	30,000,000	46,100,000
BEAR PROVINCE	1,250,000	3,400,000
KEEWATIN PROVINCE	12,300,000	23,000,000
CORDILLERAN & OTHERS	5,000,000	6,000,000
Totals:	61,550,000	78,500,000

Expenditures for 1988 are estimated and are probably a minimum. A phone survey conducted by the NWT Chamber of Mines in early 1988 established that about $90,000,000 had been spent on exploration in 1987. A survey of 1988 expenditures is to be done in March 1988.

Projects Proposed by NWT Geology Division of INAC, Yellowknife

NTS Area	Project Officer	Project Type
85O/4 Slemon Lake*	V. Jackson	1:30 000 mapping, bedrock, (21, Fig 1)
85P/8 Beniah Lake*	D. Roach	1:30 000 mapping, bedrock, (i, Fig 1)
85P/4,5 Nicholas Lake		1:15 000 mapping, bedrock, (ii, Fig 1)
85,86 Reconnaissance of surficial geology, Yellowknife River Basin	D. Kerr	1:250 000 mapping, surficial
76L Kathawachaga+	V. Jackson	1:50 000 mapping, bedrock, (iii, Fig 1)
56D Tehek Lake	D. James	1:30 000 mapping, bedrock, (19, Fig 5)
76N Lower Hood River	S. Schaan	Detailed bedrock mapping and study of Turner Lake gold property, (3, Fig 1)
85J/E Yellowknife volcanic belt+	various	1:10 000 mapping and stratigraphic studies (20, Fig 1)

* Last year of multi-year project
\+ Continuing multi-year project

CANADA-NWT MDA PROJECTS

Government of the NWT - MDA Projects Proposed for 1989

NTS	Area	Project Officer	Project Type
55K	Pistol Bay - Whale Cove	S. Goff	1:50 000 mapping, bedrock, (17, Fig. 5)
56D	Tehek Lake	S. Goff	1:50 000 mapping, bedrock, (19, Fig. 5)
85P	Upper Beaulieu	M. Stubley	1:50 000 mapping, bedrock, (iv, Fig. 1)
76N	Lower Hood/ James Rivers	R. Johnstone	1:50 000 mapping, bedrock, (3, Fig. 1)
76O	Hope Bay	J. Gebert	1:50 000 mapping bedrock, (L, Fig. 1)
86B/3,6	Indin Lake	J. Morgan	A study of gold deposits related to structure & stratigraphy (24, Fig. 1)
		Contractors	
76M	Anialik River	E. Spooner A. Abraham U. of Toronto	A study of quartz vein gold deposits (1, Fig. 1)
85I	Gordon Lake	M. Zentilli T. Stokes Dalhousie U.	A study of quartz-gold deposits in turbidites (22, Fig. 1)
85P/8	Beniah Lake	W. Fyson U. of Ottawa	A study of Beniah Lake Shear Zone (i, Fig. 1)
75,85,86	South Slave Pegmatites	P. Cerny U. of Manitoba	Rare element-bearing pegmatites
65C	Kiyak/Windy Lakes	L. Aspler	Sedimentology, structure & economic geology (2, Fig. 5)
55L/4,7; K/4	Hurwitz Group	J. Patterson U. of Toronto	Detailed study of the Hurwitz Group in the Keewatin (11, Fig. 5)

GSC - MDA Geoscience Program

NTS	Project Name	Project Responsibility	Map Scale
	Regional Geology (LCSD Mapping Projects):		
76E,F	Contwoyto - Nose Lake area (6-13, Fig. 1)	J.E. King	1:125 000
85I/NE	Beaulieu River (23, Fig. 1)	M.B. Lambert	1:10 000
55K	Tavani Greenstone (13-17, Fig. 5)	S. Tella	1:50 000
66A	Baker Lake - mapping & geochron (21, Fig. 5)	A.N. LeCheminant	
86E,F	Mystery Island Intrusive Suite (C, D, Fig. 2)	R.S. Hildebrand	1:50 000
86J,O	Muskox Intrusion (A, Fig. 2)	W.R.A. Baragar	
85P/2	Cameron River (v, Fig. 1)	M.B. Lambert	1:10 000
	Mineral Deposits (MRD):		
*	Gold Metallogeny - Slave	C.W. Jefferson	
*	Gold Metallogeny - Churchill	A.R. Miller	
*	South Nahanni tungsten/ rare metals	C.W. Jefferson	
*	PGE in ultramafic/mafics, NWT	L. Hulbert	
85I/2,86	Rare Metals - Slave/Churchill/ Bear (vi, Fig. 1)	W.D. Sinclair	
85H,68H	Pine Point/Polaris geology (I, Fig. 3)	D.F. Sangster	
*	Clay mineralogy/uranium - Churchill/Bear	A.R. Miller	
Keewatin	Metal Stressed Vegetation	A.N. Rencz	
	Quartenary Geology and Geochemistry:		
*	Gold and PGE in till Churchill/Slave	MRD - W.B. Coker	
55L	Gold and PGE/rare metals in till - Kaminak Lake (7-11, Fig. 5)	TS - W.W. Shilts	
*	Lake Sediment geochemistry	MRD - E.H.W. Hornbrook	
	Exploration Geophysics:		
56D/12,13 66A/9,16	Aeromagnetic Survey - Whitehills Lake area (18-24, Fig. 5)	Geo - phys D.J. Teskey	1:50 000
85I/1,2	Geophysics airborne surveys (vi, Fig. 1)	MRD - B.W. Charbonneau	various

LCSD = Lithosphere and Canadian Shield Division
MRD = Mineral Deposits Division
TS = Terrain Sciences
* = Projects cover large areas, or many small widely spaced areas

SLAVE PROVINCE

Gold will continue to be the main commodity sought in the Slave Province. Although there are fewer projects this year, underground development has increased, and exploration expenditures are expected to be approximately $43 million, slightly below the 46 million spent last year.

NORTH SLAVE PROVINCE
(J.B. Seaton)

Aber Resources Ltd. hopes to explore its DEN, FIDO and JEB claims south of High Lake (2, Fig. 1).

Back River Joint Venture (Homestake Mineral Development Company, Kerr-McGee Corporation and private Edmonton interests) plan an aggressive drilling program in the George Lake area (15, Fig. 1). Back River Joint Venture may also explore their two prospecting permits at Nose Lake (14, Fig. 1).

B.H.P. Utah Ltd. will continue exploration in the northern Slave Province on their TROY claims (6, Fig. 1) at the northern end of Contwoyto Lake and in the Anialik River area (1, Fig. 1). Other parts of the northern Slave Province may also be explored.

Chevron Minerals Ltd. are planning surface bulk sampling and about 1500 m of diamond drilling at Turner Lake (3, Fig. 1). Chevron may geologically map and sample parts of their Hood Property that extends from the James to the Hood River (3-4, Fig. 1).

Cody Hawk Resources Ltd. expect to drill EM conductors from the ice of the Back River in the spring of 1989. Drilling is to take place on both the ROE 1 and the GAS 300; the latter claim was optioned from Cominco Ltd. (17, Fig. 1).

Cogema Canada Ltd. plan reconnaissance in the northern Slave Province.

Cominco-Cogema Joint Venture will continue exploring their AU 23, 24 and other claims in the "Butterfly Lake' area (11, Fig. 1). Work will include drilling.

On the eastern side of Contwoyto Lake the joint venture will explore the COCO claims (7, Fig. 1) by geological mapping, geophysical surveying and drilling.

Cominco Ltd. plan to geologically map the PRO claims (10, Fig. 1) which are in the Central (Olga Lake) Volcanic Belt, 5 km east of the Gondor base metal deposit.

In the Back River area Cominco Ltd. plan geological mapping and geophysical surveying on the FIDDLER claims (17, Fig. 1) and the IM claims (16, Fig. 1).

Cominco Ltd., in joint venture with **Westview Resources Ltd.**, expect to do geological mapping and geophysical surveying on the REN claims (5, Fig. 1) between Itchen and Point Lakes. The program may include drilling.

Continental Pacific Resources hope to do geophysical surveying and drilling in the Anialik River area (1, Fig. 1).

Contwoyto Goldfields Ltd. hope to further explore the IF claims at Contwoyto Lake (11, Fig. 1).

Echo Bay Mines Ltd. will continue to explore the Lupin Mine Lease area (9, Fig. 1) which has recently been enlarged by the leasing of the BRI and DER claims to the south. Several claim groups in the belt of Contwoyto Formation metasediments, which extend westward into the Point Lake - Itchen Lake area, will also be explored. Work will include drilling.

In the Back River area, Echo Bay will explore their FLOOD, EUGE, DING, DONG, BELL claim block (18, Fig. 1).

Expeditor Resource Group Ltd. may return to explore properties between Ghurka and Regan Lakes (13, Fig. 1) and in the High Lake Supracrustal Belt (2, Fig. 1).

Hecla Mining Company of Canada Ltd. will continue to explore the JOHN, SHIN, DLER, CAMP and ADD claims east of Contwoyto Lake (8, Fig. 1). Included is geological mapping, prospecting and depending on the results of that work, possibly drilling.

Orofino Resources Ltd. in joint venture, hope to work on the Arcadia property on Coronation Gulf (1, Fig. 1). Drilling would be its main component.

Exploration on the Argus Resources Ltd. property will be done by the closely associated **Sirius Energy Corporation.** Work will consist mainly of drilling at the Esker Lake MUSKOX claims (12, Fig. 1) and on the FIRE, MG and TOMLA claims (19, Fig. 1) in the Regan Lake - Fiddler Lake area.

Prospecting Permits issued in January, 1989 cover the following map areas in the northern Slave Province:

NUMBER	NTS MAP AREA	PERMITTEE
1168	76-F-6 NE	Trigg, Woollett, Olson Consulting Ltd.
1169	76-F-7 NW	" " " " "
1181	76-M-5 SE	BHP-Utah Mines Ltd.

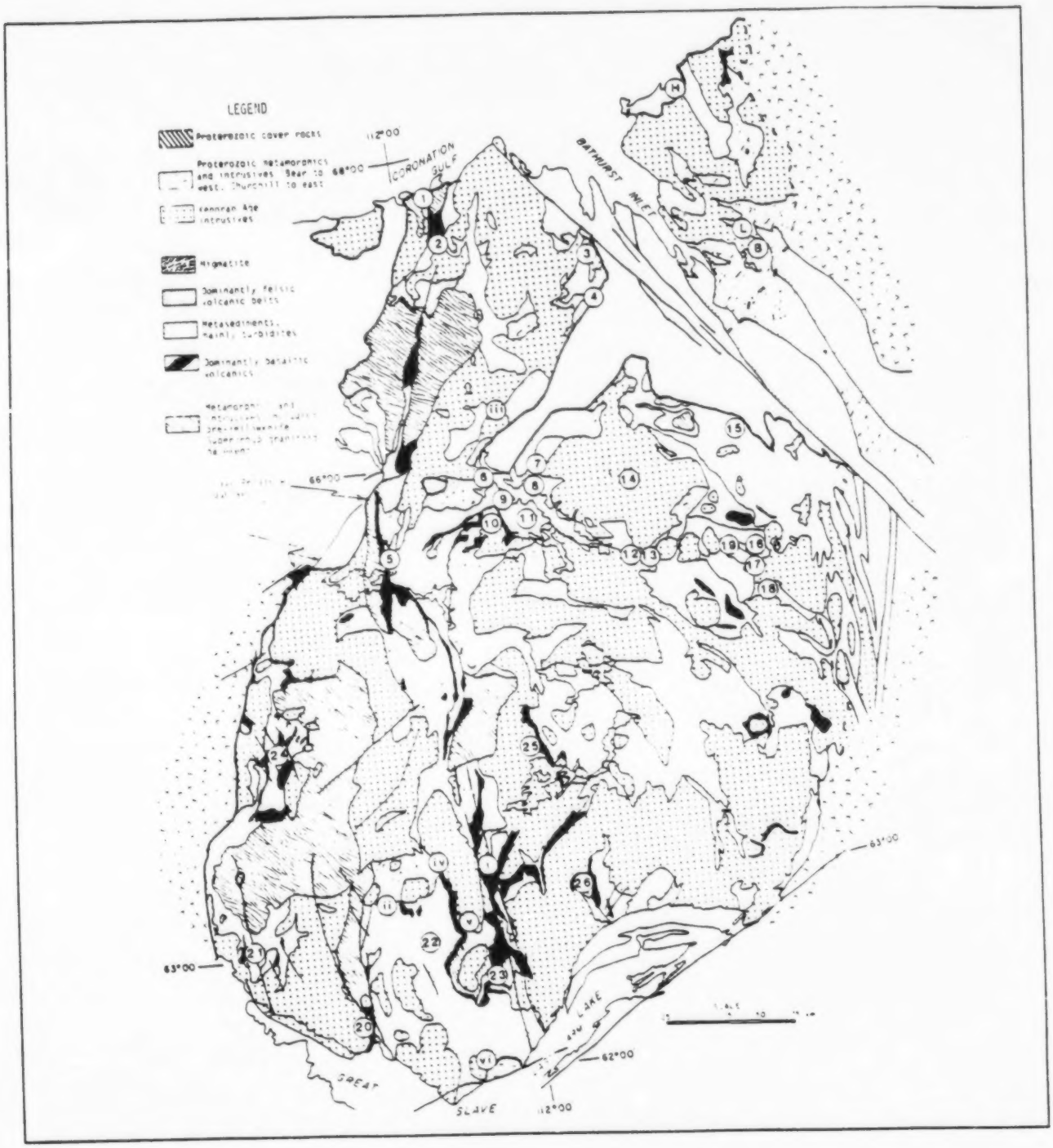

Figure 1: Summary geological map of the Archean Slave Structural Province (modified from McGlynn GSC OF 454) showing approximately the sites of exploration expected in 1989.

SOUTHERN SLAVE PROVINCE
(D. Atkinson)

YELLOWKNIFE VOLCANIC BELT (20, Fig. 1)

Can-Mac Exploration Ltd. completed drilling in January to explore for gold in sheared metasediments on the Mon property northwest of Sito Lake. Further work is anticipated this year.

Both **Giant Yellowknife Mines Limited** and **NERCO-Con Mines Ltd.** will continue exploration of their properties close to their mines. Surface drilling by NERCO will evaluate the gold potential of small shear zones including the Rycon Shear.

In February **Golden Marlin Resources Limited** were drilling their property in Yellowknife Bay to test shears identified by geophysical surveys.

Nathan Minerals Inc. will continue to explore their claims in the Walsh Lake area.

In February **Noranda Exploration Company Limited** and **TOTAL Energold Corporation** were drilling their Sito Lake property.

RUSSELL LAKE AREA (21, Fig. 1)

Echo Bay Mines Ltd. in joint venture with **Aber Resources Limited** will map, prospect and drill the IP Showing.

Hidden Lake Gold Mines Ltd. will map and sample iron formations in the Weaver Lake area.

Viscount Resources Ltd., Hemisphere Development Corporation and **Continental Pacific Resources** will continue exploration in the area.

GORDON LAKE AREA (22, Fig. 1)

Athabaska Gold Resources and **Chevron Canada Resources Ltd.** are continuing exploration of their Nicholas Lake property. Winter drilling produced intersections of 14.3 ft. grading 1.163 oz/T and 39.2 ft. of 0.593 oz/T. Gold is in quartz sulphide veins which crosscut a granodiorite plug and metasediments, however, the main ore veins are commonly brecciated and occur within the altered and sheared border phase of the granodiorite. Veins may contain arsenopyrite, pyrrhotite, sphalerite, pyrite, galena and chalcopyrite with quartz of various textural types.

Canamax Resources Inc. plan to drill targets defined in their exploration of an area stretching from the Discovery mine to Gordon Lake.

Hidden Lake Gold Mines Ltd. will explore around the Ruth mine area.

Treminco will explore south of Discovery and in the Gordon Lake area.

BEAULIEU RIVER VOLCANIC BELT (23, Fig. 1)

BHP-Utah Mines Ltd. plan to continue exploration of their claims.

Aber Resources Ltd. and Hemisphere Development Corporation have granted **Noranda Exploration Company Limited,** "Norex" an option to earn 50% interest in the Sunrise Property. The agreement calls for Norex to contribute its adjoining claims and spend a total of $10 million within the next six years. The drill indicated geologic reserves of the Sunrise zone are 2.06 million tons grading 8.9% Zn, 4.2% Pb, 11.8 oz/T Ag and 0.03 oz/T Au. Norex is drilling and will be conducting geophysical surveys, geologic mapping and drilling to expand their reserves.

Noranda have also optioned the adjacent Allan Lake property from **Durga Resources Ltd.**

Viscount Resources Ltd. and **Continental Pacific Resources** plan to drill on their property in the Payne Lake area, which adjoins Noranda's Sunrise property.

INDIN LAKE AREA (24, Fig. 1)

Durga Resources Ltd. plan to drill their Lex-Indin property.

Echo Bay Mines Ltd. will continue to explore the Kim and Cass property with geophysical surveys.

Neptune Resources Corporation plan to drill on the Colomac and Goldcrest deposits to increase mineable reserves, presently at 28 million tons grading 0.0557 oz/T. In addition, Neptune Resources are planning to drill to the north of Zone 2 and on property south of Zone 3, which was recently acquired from **Petromet Resources Limited** and **Comaplex Resources International Ltd.** The objective will be to test the extension of Zone 3 onto the property. Neptune Resources are awaiting final loan arrangements for development of its Colomac deposit.

COURAGEOUS LAKE-MACKAY LAKE VOLCANIC BELT (25, Fig. 1)

Battle Mountain Gold Company have optioned ground north and northwest of the Tundra-Project from **Gunnar Gold-Mill City Gold Company Ltd.** IP surveying, prospecting, geological mapping and geochemical surveying of tills and frost boils are proposed to explore these areas which include the MOG claims.

Giant Yellowknife Mines Ltd. will continue exploration on their Salmita property.

Noranda Exploration Company Ltd. and **TOTAL Energold Corporation** continue shaft sinking at the Tundra project and were at the 1300 ft. level in February. The shaft is to be completed by the end of March when driving of the hanging wall drift will start. Exploration drilling will commence as soon as the first drill station is slashed and continue through the summer.

OTHER AREAS

Ardic Exploration and Development Inc. will do grassroots exploration in the Slave Province.

Hidden Lake Gold Mines Ltd. will map and sample the Camsell Lake area (75M) (26, Fig. 1).

NORTHEASTERN SLAVE PROVINCE
(EAST OF BATHURST INLET)
(W.A. Gibbins)

BHP - Utah Mines Ltd. will prospect their claims in the Tinney Hills-Hiukitak River area (B, Fig. 1).

William Kizan anticipates exploring his LB claims this summer (L, Fig. 1).

Drilling of **Abermin Corporation's** gold prospects in the Hope Bay area (H, Fig. 1) is planned.

BEAR PROVINCE
(J.B. Seaton)

Aber Resources Ltd. may resume work on their COREHILL claims (B, Fig. 2).

C.E.G.B. (Canada) Exploration Ltd. will explore the BUD claims at "Sparkling Lake" north of Port Radium (C, Fig. 2) by rock and soil sampling and geophysical surveying.

C.E.G.B. may also conduct reconnaissance in the Bear Province.

International Platinum Corporation will drill on their OX claims at the Muskox Intrusion (A, Fig. 2).

Octan Resources Ltd. are planning to explore silver properties on the east shore of Great Bear Lake (D, Fig. 2)

EAST ARM OF GREAT SLAVE LAKE
ATHAPUSCOW BASIN
(W.A. Gibbins)

1989 exploration on the Thor Lake project of **Hecla Mining of Canada Ltd - Highwood Resources Ltd.** will depend on the results of metallurgical and mineralogical studies in progress (E, Fig. 2).

Kelmet Resources Ltd. will continue work to assess the precious metal potential of showings in the western half of the east arm of Great Slave Lake (F, Fig. 2).

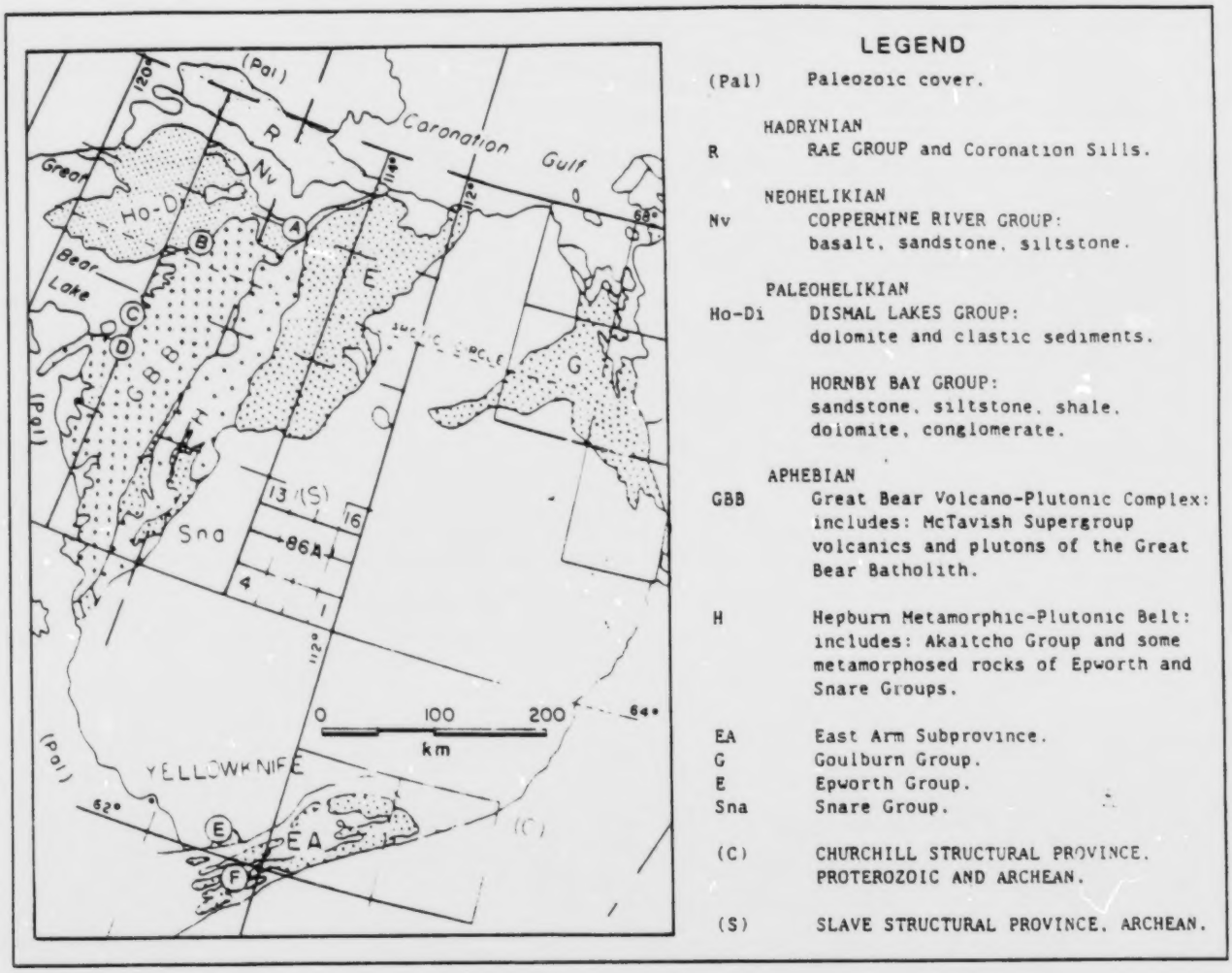
LEGEND
(Pal) Paleozoic cover.
HADRYNIAN
R RAE GROUP and Coronation Sills.
NEOHELIKIAN
Nv COPPERMINE RIVER GROUP: basalt, sandstone, siltstone.
PALEOHELIKIAN
Ho-Di DISMAL LAKES GROUP: dolomite and clastic sediments.
HORNBY BAY GROUP: sandstone, siltstone, shale, dolomite, conglomerate.
APHEBIAN
GBB Great Bear Volcano-Plutonic Complex: includes: McTavish Supergroup volcanics and plutons of the Great Bear Batholith.
H Hepburn Metamorphic-Plutonic Belt: includes: Akaitcho Group and some metamorphosed rocks of Epworth and Snare Groups.
EA East Arm Subprovince.
G Goulburn Group.
E Epworth Group.
Sna Snare Group.
(C) CHURCHILL STRUCTURAL PROVINCE. PROTEROZOIC AND ARCHEAN.
(S) SLAVE STRUCTURAL PROVINCE. ARCHEAN.
Coronation Gulf
Great Bear Lake
YELLOWKNIFE
0 100 200
km

Figure 2: Summary geological map of the Proterozoic Bear Structural Province (modified from McGlynn GSC OF 454) showing approximately the sites of exploration expected in 1989.

ARCTIC ISLANDS REGION
DISTRICT OF FRANKLIN
(W.A. Gibbins)

Cominco Ltd. will drill lead zinc deposits near the Polaris Mine and on Truro Island (I, Fig. 3).

Nanisivik Mines Ltd. will continue to drill test areas adjacent to the Nanisivik Mine (II, Fig. 3).

Millar Western Engineering will explore Prospecting Permits 1182-84 covering part of the Shaler Mountains, northern Victoria Island (III, Fig. 3).

Borealis Exploration Ltd. will explore Prospecting Permits 1164-67 in southeastern Melville Peninsula.

Prospecting Permits issued in January, 1989 cover the following map areas in the District of Franklin:

NUMBER	NTS MAP AREA	PERMITTEE
1164	46-O-1 NW	Borealis Exploration Limited
1165	46-O-2 NE	" " "
1166	46-O-2 NW	" " "
1167	47-A-5 SE	" " "
1182	87-H-10 NE	J.F.V. Millar
1183	87-H-9 NW	" "
1184	87-H-16 SW	" "

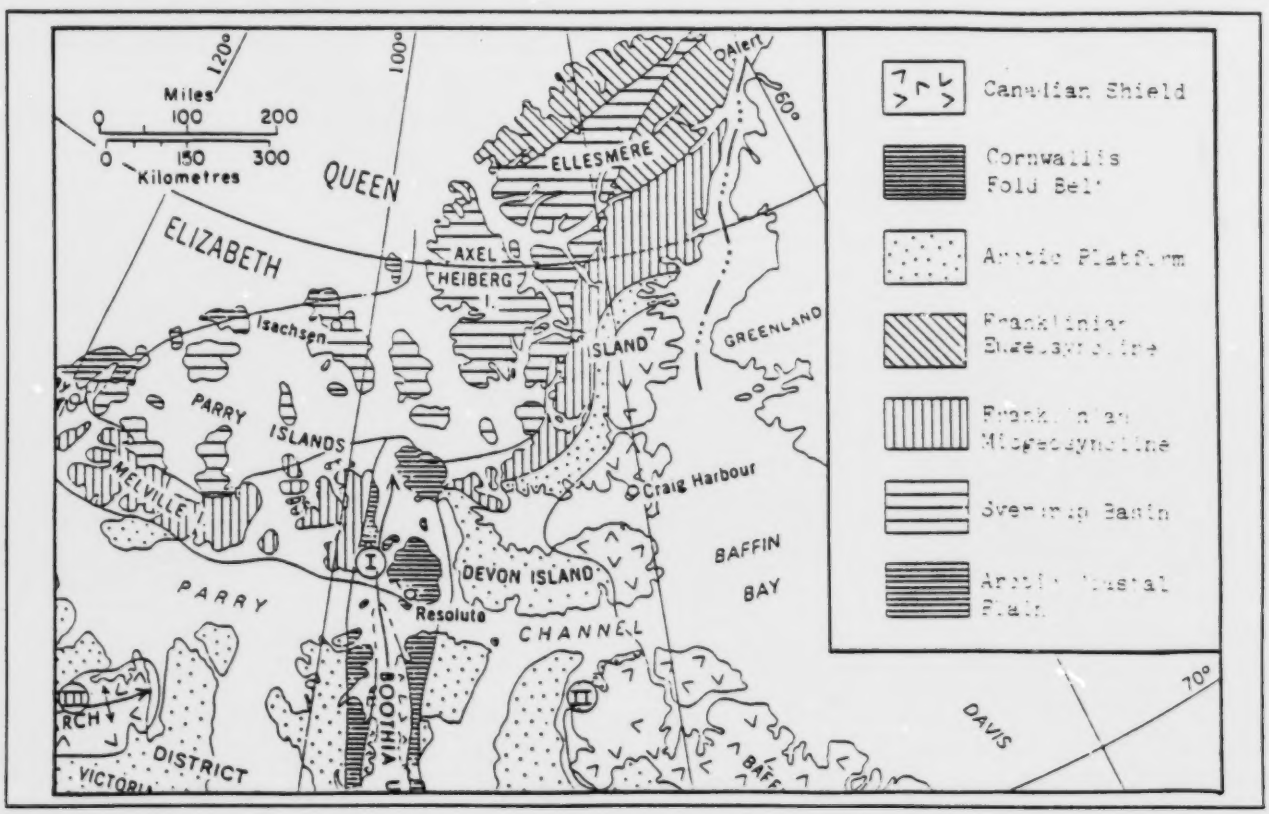

Figure 3: Summary geological map of the northern part of the Arctic Islands (from Fig. x-1, Geol. and Econ. Mins. can.) showing approximately the sites of exploration expected in 1989.

CHURCHILL (HEARNE) PROVINCE WEST OF KEEWATIN
(W.A. Gibbins)

NONACHO BASIN AND ADJACENT BASEMENT ROCKS:

Aurora Gold Ltd. are planning to explore claims recently optioned south and southeast of Reliance (P, Fig. 4).

Kelmet Resources Ltd. will continue to sample, and may drill showings at MacInnes Lake (M, Fig. 4).

Fortune Minerals Ltd. expect to drill precious metals prospects at Salkeld Lake (F, Fig. 4).

Enexco International Ltd. hope to resume exploration on their Rutledge Lake claims for Ni-Cu and PGEs (R, Fig. 4).

Silver Hart Minerals Ltd. may explore ultramafic rocks in the Thye Lake area for PGEs (TL, Fig. 4).

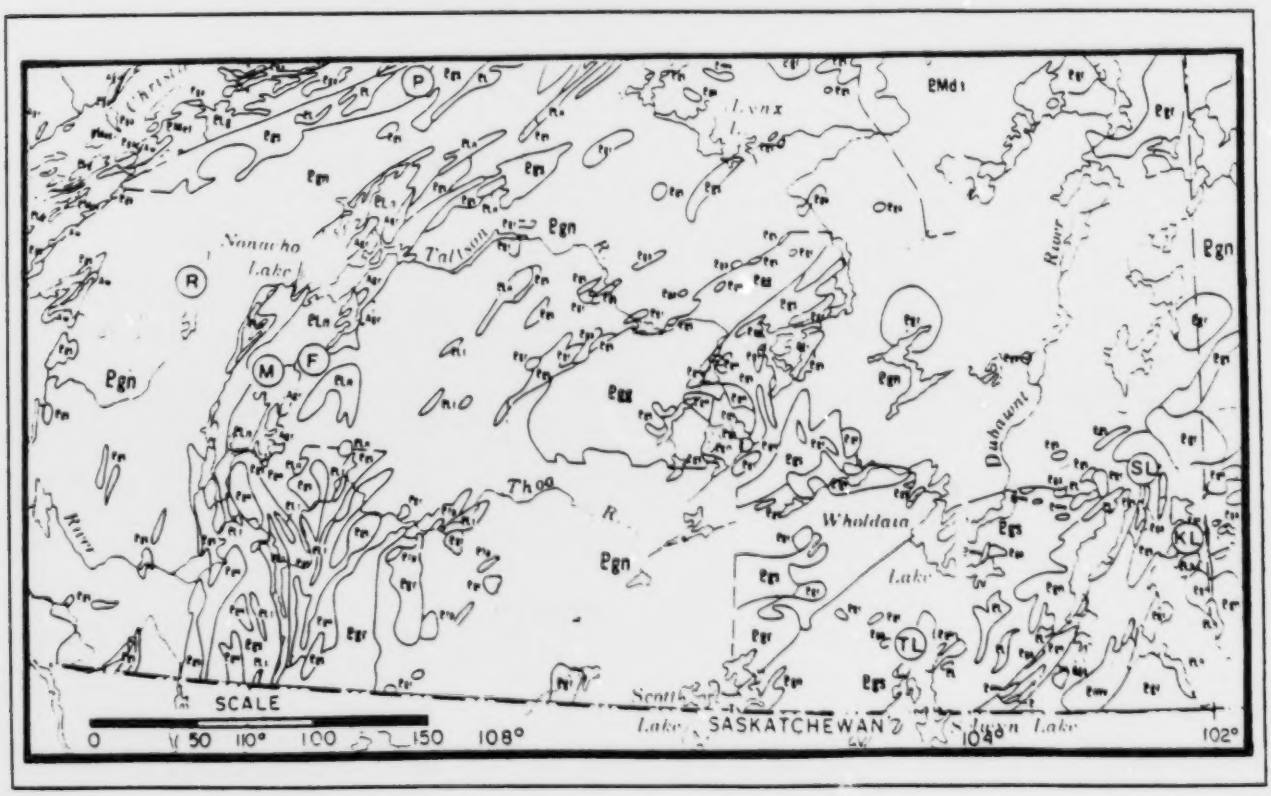

Figure 4: Summary geological map of the Churchill Province west of the Keewatin (from GSC map 30-63) showing approximately the sites of exploration expected in 1989.

Comaplex Resources International Ltd. have acquired prospecting permits near the northeast end of Snowbird Lake (SL, Fig. 4) and **Agnico-Eagle Mines Ltd.** have new permits at the north end of Kasba Lake (KL, Fig. 4).

Prospecting Permits issued in January, 1989 cover the following map areas in the Southeast Mackenzie District:

NUMBER	NTS MAP AREA	PERMITTEE
1170	65-D-9 NE	Agnico-Eagle Mines Ltd.
1173	65-D-16 NW	Comaplex Resources Int. Ltd.
1174	65-E-1 SW	" " " "

DISTRICT OF KEEWATIN
(Ko Griep)

For 1989, a lower level of exploration is forecast for the Keewatin, particularly in terms of overall expenditure.

GOLD

Agnico-Eagle Mines Ltd. plan to explore claims and permit 1171 south of Ennadai Lake (2, Fig. 5) with an airborne survey followed by mapping, prospecting and sampling of resulting targets. Diamond drilling could take place late in the season.

BHP-Utah Mines plan an airborne survey of claims and permits south of Kaminak Lake (7, Fig. 5). Targets found will be tested by geochemical and geophysical surveying.

Borealis Exploration Ltd. may continue underground development of quartz veins encountered in the decline at Fat Lake (14, Fig. 5) in 1988. Principal targets of the 1989 program are the Talc Lake area (14, Fig. 5) immediately south of Fat Lake and the NANCY claims (13, Fig. 5) southeast of the camp. Mapping, sampling and geophysical surveying of these areas are planned. Similar work is also contemplated for claims north of Kaminak Lake (9, Fig. 5) and the PETER group (10, Fig. 5) to the east. Some work may also be done on the BSX claims near Whale Cove (17, Fig. 5).

Claude Resources Inc. plan an airborne Mag/EM survey on the JAN claims and adjoining permits at Sandybeach Lake (3, Fig. 5). Ground geophysics, sampling, trenching and mapping of showings are contemplated.

Comaplex Minerals Corporation acquired Permit 1172 in the Rochon Lake area (1, Fig. 5) where mapping, sampling and ground geophysical surveying are contemplated.

Comaplex Minerals Corporation and **Agnico-Eagle Mines Ltd.** have entered a joint venture to explore six prospecting permits in the Tehek Lake - Meadowbank area (20, Fig. 5). Detailed mapping, sampling and geophysical surveying of airborne survey results may be followed by drilling. The joint venture also will conduct a UTEM survey at its Christopher Island project (19, Fig. 5).

Corona Corporation will work around Cullaton Lake (5, Fig. 5). Plans include a reevaluation of the Shear Lake zone which produced gold in 1985.

Dejour Mines plan more drilling at the Joyce zone near Turquetil Lake (6, Fig. 5). A Dighem survey of the TURQ claims will be followed by ground geochemical and geophysical surveys.

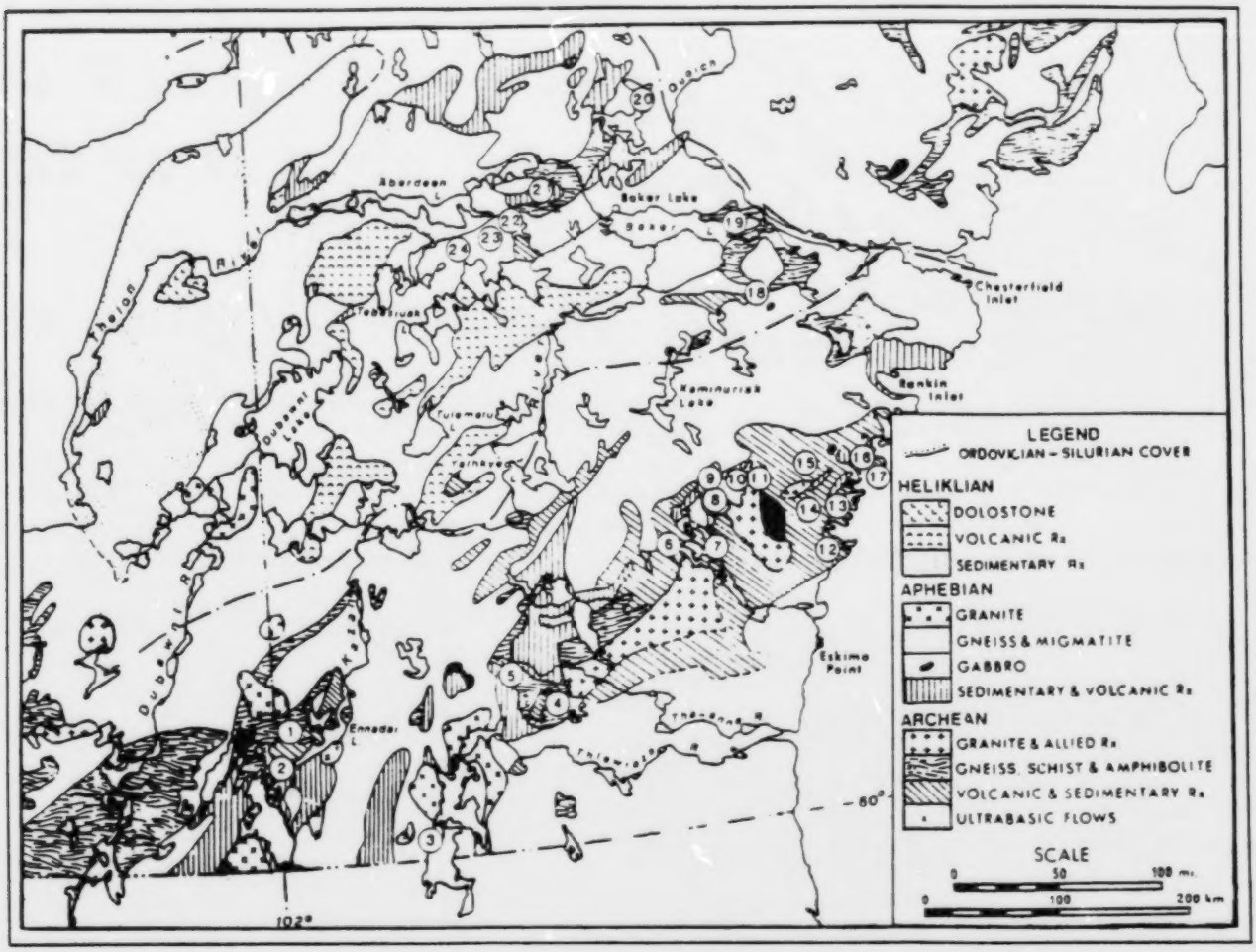

Figure 5: Summary geological map of the Keewatin District (Archean and Proterozoic Churchill Structural Province) showing approximately the sites of exploration expected in 1989.

Inco Gold Co. again will drill at their IGLOO claims at Wilson Bay (16, Fig. 5). Inco plans mapping, sampling and ground geophysical surveying on the IGLOO claims near Dawson Inlet (12, Fig. 5).

Noble Peak Resources Ltd. will drill 5000 m on their Southwin Venture (11, Fig. 5) near Quartzite Lake. IP and VLF surveys are planned for the MJ claims.

Noranda Exploration Ltd. plan geological mapping, trenching and IP surveying on claims at Lothrop Lake (4, Fig. 5). Drilling may be done later in the year.

Sikaman Gold Resources Ltd. plan mapping, prospecting and, geophysical and geochemical surveying on the KAM (8, Fig. 5) and MAZE (15, Fig. 5) claims. Additional diamond drilling may be undertaken.

URANIUM AND OTHER COMMODITIES

C.E.G.B. Exploration (Canada) Ltd. will explore in the Aberdeen Lake area, notably on the BIF claims (24, Fig. 5), where ground geophysics and soil geochemical surveys are planned.

Comaplex Minerals Corporation are looking for a joint venture partner for their McQuoid Lake area claims (18, Fig. 5) where the recently discovered Sandhill base metal prospect may be drilled.

PNC Exploration (Canada) Co. Ltd. will drill showings near Schultz Lake (21, Fig. 5), geochemical sampling and geophysical surveying are planned also.

Urangesellschaft (Canada) Ltd. hope to complete environmental baseline surveys for their feasibility study of the Kiggavik uranium deposit west of Baker Lake (22, Fig. 5). Public hearings for regulatory approvals will follow completion of the study. Exploration is planned by joint venture partners Urangesellschaft and PNC southwest of Kiggavik (23, Fig. 5) where three prospecting permits have been acquired. A Dighem survey followed by gravity, VLF, magnetic, resistivity and mapping surveys will be complemented by drill tests of any targets found.

Prospecting Permits issued in January, 1989 cover the following map areas in the Keewatin:

NUMBER	NTS MAP AREA	PERMITTEE
1161	66-B-8 SE	Urangesellschaft Canada Ltd.
1162	66-A-5 SW	" " "
1163	66-B-1 NE	" " "
1171	65-C-12 NW	Agnico-Eagle Mines Ltd.
1172	65-C-13 NW	Comaplex Resources Int. Ltd.
1175	56-E-2 SE	" " " "
1176	56-E-6 SW	" " " "
1177	56-E-4 NE	" " " "
1178	56-E-3 SE	" " " "
1179	56-E-2 SW	" " " "
1180	56-E-5 SE	" " " "

CORDILLERAN DISTRICT

(D. Atkinson)

Franco-Nevada Mining Corporation Ltd. hope to expand reserves in the Coates Lake stratiform disseminated copper sulphide deposit within the Redstone Copper Belt. Reserves to date are 37 million tons grading 3.9% Cu.